

IN THE CLAIMS

1-17. (canceled)

18. (new) A gas turbine engine comprising:

a compressor;

a pump; and

a ring manifold coupled in fluid communication with said pump, said ring manifold mounted within said gas turbine engine upstream from said compressor, said ring manifold comprising a plurality of circumferentially-spaced spray nozzles oriented to discharge a liquid radially inwardly into said gas turbine engine such that at least a portion of said compressor is coated with liquid discharged from said spray nozzles.

19. (new) A gas turbine engine in accordance with Claim 18, wherein said washing system further comprises a starter motor configured to rotate said gas turbine engine while liquid is being discharged from said spray nozzles.

20. (new) A washing system for a gas turbine engine, said washing system comprising:

a pump;

a ring manifold coupled in fluid communication with said pump, said ring manifold comprising a plurality of circumferentially-spaced spray nozzles oriented to discharge a liquid radially inwardly into said gas turbine engine; and

a controller configured to:

inject a first liquid into the gas turbine engine to facilitate removing particulate matter from the gas turbine engine; and

inject a second liquid into the gas turbine engine to facilitate reducing a rate of formation of particulate matter within the gas turbine engine by suppressing electrostatic attraction within the gas turbine engine.

21. (new) A washing system for a gas turbine engine in accordance with Claim 20, wherein said controller is further configured to inject the first liquid into the gas turbine engine before injecting the second liquid into the gas turbine engine.

22. (new) A washing system for a gas turbine engine in accordance with Claim 21, wherein said controller is further configured to inject the second liquid into the gas turbine engine such that the second liquid coats at least a portion of the gas turbine engine.

23. (new) A washing system for a gas turbine engine in accordance with Claim 20, wherein said washing system comprises a starter motor, said controller further configured to operate said starter motor to rotate the gas turbine engine while the first liquid is being discharged.